

Moruya Sewage Treatment Plant - Monthly Result Summary - November 2022



Anniversary Date: 1-Apr-21
Published Date: 23-Feb-23

Licensee: Eurobodalla Shire Council
EPL No.: 1614
Premises: Moruya Sewage Treatment Plant
Address: Queen Street, Moruya, NSW 2537

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: **Nov-22**

Licence Point 6 (Discharge to Utilisation Area) & 11 (Discharge to Waters) - Concentration Limits			
Parameters	Unit of Measure	90 percentile concentration limit	100 percentile concentration limit
Biological Oxygen Demand	(mg/L)	10	15
Oil and Grease	(mg/L)	5	10
pH	(pH Units)	-	6.5-8.5
Total Suspended Solids	(mg/L)	15	20
Chlorophyll a	(mg/m3)		
Faecal Coliforms	(CFU/100mL)	200	600
Total Nitrogen	(mg/L)	10	15
Total Phosphorus	(mg/L)	1	2
Ammonia	(mg/L)	2	5

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1.

Note 2: The monitoring at Point 3, required by Condition M2.1, is conducted by the licensee to determine compliance with limits specified for discharges to Points 6 and 11 as described in Condition L3.

Licence Point 3 - Effluent Quality Monitoring (Monthly Results)										
Sample Frequency Sampling Method	Monthly Composite Sample	Monthly Grab Sample	Monthly Grab Sample	Monthly Composite Sample	Monthly Grab Sample	Monthly Grab Sample	Monthly Composite Sample	Monthly Composite Sample	Monthly Grab Sample	
Sampled Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	Obtained Date
1-Nov-22	4.00	<5	7.40	7.00	1.40	3300	3.99	0.25	0.02	10-Nov-22
29-Nov-22	<2	<5	7.50	3.00	6.20	6900	5.73	0.15	0.01	14-Dec-22
100 Percentile Exceedance?	NO	NO	NO	NO	NO	YES	NO	NO	NO	

Licence Point 3 - Effluent Quality Monitoring (Year To Date Results)									
Year to Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Samples	9	9	9	9	9	9	9	9	9
Min	<2	<5	7.30	3.00	0.90	300	3.99	0.120	0.01
Mean	2.67	2.50	7.49	5.44	6.14	5567	6.81	0.181	0.05
Median (50th %ile)	3.00	2.50	7.50	4.00	5.00	6000	5.75	0.153	0.02
90th %ile	4.20	2.50	7.62	8.00	15.32	10000	9.62	0.260	0.09
Max (100th %ile)	5.00	<5	7.70	12.00	16.60	10000	12.80	0.315	0.35

Moruya Sewage Treatment Plant - Monthly Result Summary - November 2022

Licensee: Eurobodalla Shire Council
 EPL No.: 1614
 Premises: Moruya Sewage Treatment Plant
 Address: Queen Street, Moruya, NSW 2537



Anniversary Date: 1-Apr-21
 Published Date: 23-Feb-23

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Licence Point 2 - Influent Volume Monitoring			
Sample Frequency	Daily (Continuous)	Maximum Daily flow (kL)	14000
Sampling Method	Ultrasonic Flow Meter		
Sample Date	Rainfall (mm)	Plant Inflow (kL)	Exceedance (YES/NO)
1-Nov-22	0	971.0	NO
2-Nov-22	0	872.0	NO
3-Nov-22	0	892.0	NO
4-Nov-22	0	803.0	NO
5-Nov-22	0	744.0	NO
6-Nov-22	0	703.0	NO
7-Nov-22	0	712.0	NO
8-Nov-22	0	715.0	NO
9-Nov-22	0	662.0	NO
10-Nov-22	0	702.0	NO
11-Nov-22	5.6	712.0	NO
12-Nov-22	0.4	783.0	NO
13-Nov-22	8.2	868.0	NO
14-Nov-22	0.2	802.0	NO
15-Nov-22	0.6	735.0	NO
16-Nov-22	2.8	729.0	NO
17-Nov-22	0	727.0	NO
18-Nov-22	0	704.0	NO
19-Nov-22	0	663.0	NO
20-Nov-22	0	613.0	NO
21-Nov-22	0	617.0	NO
22-Nov-22	0	595.0	NO
23-Nov-22	0.2	604.0	NO
24-Nov-22	5.4	614.0	NO
25-Nov-22	0	635.0	NO
26-Nov-22	2.4	589.0	NO
27-Nov-22	1.4	608.0	NO
28-Nov-22	0.4	622.0	NO
29-Nov-22	0.4	613.0	NO
30-Nov-22	0.4	571.0	NO
Monthly Total	28.4	21180.0	
Monthly Minimum	0	571	
Monthly Mean	0.95	706.00	
Monthly Maximum	8.2	971	
Year to Date Total	583.3	254739.0	
Year to Date Minimum	0.0	0.0	
Year to Date Mean	2.13	926.32	
Year to Date Maximum	49.6	5125.0	

Moruya Sewage Treatment Plant - Monthly Result Summary - November 2022

Licensee: Eurobodalla Shire Council

EPL No.: 1614

Premises: Moruya Sewage Treatment Plant

Address: Queen Street, Moruya, NSW 2537

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>



Anniversary Date: 1-Apr-21

Published Date: 23-Feb-23

Licence Point 7 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
1-Nov-22	1.18	0.129	10-Nov-22
29-Nov-22	0.85	0.065	14-Dec-22

Licence Point 8 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
1-Nov-22	1.78	0.177	10-Nov-22
29-Nov-22	1.39	0.187	14-Dec-22

Licence Point 7 - Ambient Water Monitoring (Year to Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	9	9
Min	0.85	0.045
Mean	2.21	0.150
Median (50th %ile)	1.18	0.086
90th %ile	5.19	0.294
Max (100th %ile)	7.37	0.485

Licence Point 8 - Ambient Water Monitoring (Year to Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	9	9
Min	1.07	0.062
Mean	2.92	0.145
Median (50th %ile)	2.32	0.147
90th %ile	4.87	0.199
Max (100th %ile)	5.89	0.248

Licence Point 9 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample		
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
1-Nov-22	0.67	0.020	10-Nov-22
29-Nov-22	0.17	0.007	14-Dec-22

Licence Point 10 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample		
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
1-Nov-22	0.66	0.045	10-Nov-22
29-Nov-22	0.17	0.012	14-Dec-22

Licence Point 9 - Ambient Water Monitoring (Year To Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	9	9
Min	0.15	0.003
Mean	0.43	0.012
Median (50th %ile)	0.39	0.009
90th %ile	0.71	0.021
Max (100th %ile)	0.86	0.023

Licence Point 10 - Ambient Water Monitoring (Year To Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	9	9
Min	0.17	0.006
Mean	0.45	0.023
Median (50th %ile)	0.36	0.012
90th %ile	0.78	0.050
Max (100th %ile)	1.26	0.068

Moruya Sewage Treatment Plant - Monthly Result Summary - November 2022

Licensee: Eurobodalla Shire Council
 EPL No.: 1614
 Premises: Moruya Sewage Treatment Plant
 Address: Queen Street, Moruya, NSW 2537



Anniversary Date: 1-Apr-21
 Published Date: 23-Feb-23

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOlicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
1-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (3300 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3 (Prior to finishing pond)
29-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (6900 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3 (Prior to finishing pond)

EPA Licence Point Map

